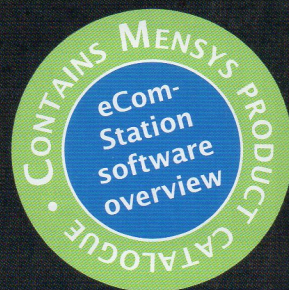




Price: € 2,00

Year 1 / Number 0 / 2006 • Warpstock Europe 2006 release

Where will the next warp take us?



Abandonware?

OS2World.com webmaster
calls for action

Tips 'n Tricks

For eCS pro's and starters

Bootable JFS

Speed & reliability

On the flipside:
**Reseller
index**

NetOp® Remote Control

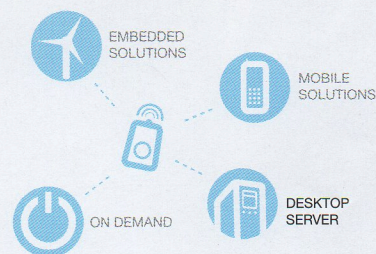
What do these
IT professionals
have in common?

www.netop.com

They all use NetOp. The complete, scalable, and secure remote control solution for IT professionals

There's a reason why leading companies – large or small – choose NetOp. The larger your network and the wider your geographical scope, the more you rely on measures to rapidly move IT expertise, when systems stop functioning – without having to move people.

The NetOp Remote Control solution provides a complete package for remote management of computers and networked devices as well as proactive maintenance of software and hardware inventory. Designed specifically to meet the demands of the most demanding of organizations, NetOp Remote Control provides better performance, higher stability, unparalleled security features, full scalability, and full support across computers and platforms. Who do you trust when it's essential to minimize downtime and maximize support efficiency? Choose the proven solution. You'll be in good company!



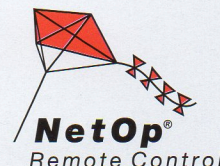
NetOp Remote Control 9.0 also
supports eComStation and OS/2



New version 9.0

Click in and request your
FREE TRIAL at www.netop.com

moving expertise - not people



Not Even a Bump in the Road

"This is the end of the road for OS/2!" A phrase the industry has been hearing about OS/2 since 1995, perhaps even earlier. The good news is that the statement is no more appropriate now than it was last year, or five years ago, or five years before that.

Last year, when IBM was withdrawing OS/2 from marketing, Serenity Systems International (SSI) was announcing plans for the next release.

As IBM withdraws support for OS/2 at the end of 2006, SSI will be delivering a new release and announcing plans for features to be delivered in 2007. For eComStation users, this is not the end of the road. This is not even a bump in the road.

eComStation was introduced in the year 2000. At the time, IBM has updated the OS/2 client with a code base from the server product, a significant update to OS/2. But enhancements and updates to OS/2 from that point on seemed to take place "outside" the product.

The support for devices and technologies was not perfect, but covered many requirements. It was good enough to allow talented members of the community to create methods and work arounds for areas where OS/2 came up short. And this is a situation which has not changed very much in recent years.

In fact, I believe there is evidence that some areas of support for OS/2 are stronger. For example, Lucide is a replacement for Adobe Acrobat Reader.

Unlike the product it is replacing, Lucide was written as a native OS/2 application. Another significant application is OpenOffice.org 2 for OS/2 and eComStation. This version is being developed as a true native OS/2 application.

The new release of eComStation will include updated filesystem support. One of them is bootable JFS. In testing, this feature proved to offer significant improvements in overall system performance.

There are also projects which make current hardware platforms friendly to eComStation. At Warpstock in Canada last month, Finnegan Software was running eComStation 1.2R on Intel dual core system, utilizing both processors. This support will be part of the base product for eComStation 2.0. This and the support for installing on Athlon64, and the upcoming ACPI support, are all significant.

It's fair to say that 2006 has been a good year for OS/2, even though the updates and enhancements being delivered are coming from areas outside of IBM. Coming, in fact, from a wide network of very talented and dedicated developers. These updates are clear to see with very short term availability. And we will be looking beyond these updates.

I believe 2007 will be an interesting, possibly fascinating, year for OS/2 and OS/2 users. Let's plan on getting together this time next year to see how these options have progressed.

Bob St. John
Director, Business Development
Serenity Systems International

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os2news.com - Don't stop the press!

By Christian Hennecke, July 2006

VOICE: Why did you create another service for OS/2-related news?

Roderick Klein: First of all, to give people an idea what OS2news.com / eComStationNews.com (same website-backend) is about: It's not a web site for end-users. It is meant as a system to distribute OS/2 and eComStation related news to an as wide as possible audience.

A chasm exists between the different countries in the world. Russia, Japan, China, South America, even between Germany and the rest of Europe (there are a lot of active OS/2 users in Germany). This introduction is just to make clear what kind of mess we are really in! And it's a big mess! The problem is that the OS/2 community has gotten smaller but there are plenty of users and developers hiding out there on the planet. What can the community learn from this? The OS/2 community needs to support itself.

VOICE: Can you tell us more about what OS2News.com really is? In what way is it different from other news services? You first said that it is not a site for end-users. So that means that they cannot subscribe to a news feed, correct?

Roderick Klein: eComStationNews.com was established basically as a press agency like Reuters. Users and companies can submit news but not read it. It is a distribution system!

So how does it work? On the submission page, people enter a news item which adds the item to the Incoming table and awaits approval. It's the mechanism behind and the design that make the system interesting. All news is stored in a database and can be picked up by web site maintainers (with a userid and password) via RSS or HTML. It can also be imported from an Approved table automatically. Every volunteer for the news system can approve and translate newsitems.

VOICE: Why don't you offer the RSS newsfeed to end-users?

Roderick Klein: There is a feed, that lists items more than a week old. We decided to do this because some news service providers are worried that news service subscribers might stop using their website and go directly to eComStationNews.com. In order to prevent that, the latest news is only available from the affiliated websites.

VOICE: Can you give us a more detailed view of the inner workings?

Roderick Klein: We designed it so all volunteers can see all messages. It was designed from day one like this. When a news item is approved, it's simply transferred from the Incoming table to the Approved table in the database. The most interesting thing about this system is that it has support

for multiple languages. Right now it has Dutch, English, and German. But we can and want to add more languages! Like, for example, Chinese and Japanese. Volunteers who approve news can also, for example, translate a message from Japanese into English! From there on, translation can also take place into other languages!

VOICE: I can see potential problems for the websites that retrieve news from your service because of news items that are submitted via their own mechanisms. This would not only mean duplicate entries that create a certain amount of administration work but also that items that are submitted via a site's mechanism have to be relayed to OS2News.com. How did you solve this?

Roderick Klein: The solution to get away from duplicate news items is that all websites redirect news input to the submission page. It is possible to integrate this fully into a local website.

VOICE: How is archiving and searching news going to be handled? By OS2News.com? Or are the websites going to do it on their own?

Roderick Klein: It purely depends on the website. For example OS2.org imports the news and stores it locally. We also archive the news and offer a search option. But this is where the other news service websites offer added value: the interface (look and feel) and for example forums to discuss news. Plus these are websites in the readers' own language!

VOICE: That sounds like a good solution to me. That way, you won't drag users away from other sites.

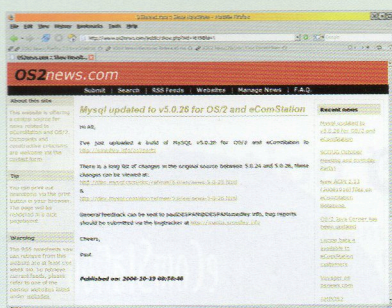
Roderick Klein: Exactly, as stated we are basically a press agency that distributes to local newspapers.

VOICE: Who was involved in creating the service? And who is already participating?

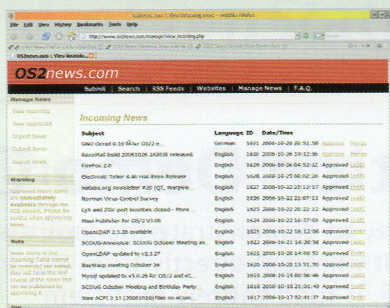
Roderick Klein:

In 2004, Robert Henschel came to visit the Mensys office and when you get two people together it also ends up in talk about other OS/2-related stuff. I started to draw some simple things on the board and explained what I was thinking. Robert has implemented a lot of the required code for eComStationNews.com, Joachim Benjamins from Mensys has contributed a lot to the website design. Users of the service are the OS/2 User Group Dresden's, OS2.org, the Baywarp OS/2 usergroup and www.ecomstation.com. Interested webmasters are invited to join, and can find a contact page at www.os2news.com.

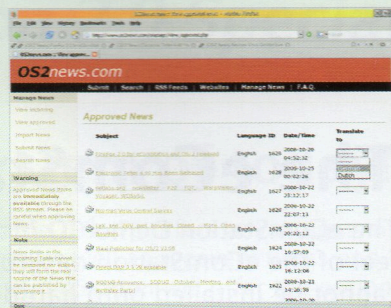
VOICE: Do you have enough volunteers for the existing languages?



Example of the www.os2news.com OS/2 News Homepage



OS/2 News Management interface: Incoming News



OS/2 News Management interface: Approved News

Roderick Klein: There never are enough volunteers, the more volunteers, the better. There has already been some worry that this news system might be sensitive to possible censorship, that is why the more people that volunteer, the better! To prevent censorship, we implemented the 'Incoming' and the 'Approved' table. The Incoming table holds all news and is accessible to website maintainers as a newsource if they want. Items cannot be removed from the Incoming table.

VOICE: Do you have any agreement that new subscribers are to sign if they want to participate? Like the requirement to link back to the submit form? Or donating time to manage news on the central site?

Roderick Klein:

Since it's a community based system, we don't want to do paperwork! There is already enough paperwork in daily life. (Laughs.) We trust that people see the need for this system and hope that they will discover that everybody will save time in the long run. It's a matter of trust. We expect people to honour our request to use the link if we also help them to solve any news import problems.

VOICE: Have you agreed on a common policy regarding approval of news items? WarpCast had rather strict requirements, for instance.

Roderick Klein: We don't censor any news! The more people there are who approve news, the more credible the news system becomes. It's up to the website admin what he approves for his service. Everybody who translates news can approve a news item. Once approved the item is in the Approved table. Web sites by default use this to import news. They may also import from the Incoming table, but we don't recommend it since you also have spammers active on submit forms.

VOICE: Well, that's different from submitting an item that badmouths somebody else's work, for instance.

Roderick Klein: Well, our news system would lose its credibility if we dumped news. The system must run independently. Mensys hosts the system but does not maintain it (other than backups, etc.). Other volunteers process news. And the more people volunteer, the more self-checking it gets. It's up to the people who approve news and website admins to decide what happens to news.

VOICE: Your mention of Mensys leads me to another question. You already touched the topic of

censorship. If there is only one source of news, that could mean domination of information. A hot iron, especially since Mensys, the main distributor and developer of eCS, runs the server.

Roderick Klein: That is true. If anybody has better ideas, we are more than happy to listen.

VOICE: Well, I guess that emphasizing the fact that people from other, non-commercial organisations are involved could help.

Roderick Klein: That is a good idea, we will certainly do this.

VOICE: For the real skeptics, there still are reasons you already mentioned: It would become easier for Mensys to distribute information about eCS, which could mean more customers and, thus, eCS would live longer.

Roderick Klein: I will put it simply. There are OS/2 communities out there that get smaller because the community lacks. People leave and that's that! We need to join forces and get in touch with each other! We can keep on living on islands and not notice each other, or we can get to know new developers and new projects and enjoy our operating system more.

We look forward to assisting all OS/2 websites in joining this news system and hope it can make a true difference for our small community. A developer posts a single message and it can propagate to many more websites within a couple days in many more languages! We can also start to offer the newfeed to websites outside the OS/2 community!

VOICE: Well, that sounds like a good last word. Thank you for your time.

Christian Hennecke is the Editor in Chief of the VOICE Newsletter. While being a geographer originally, he runs an IT consulting and service company.

Reprinted and edited with permission from OS/2 VOICE / Christian Hennecke.

Original interview is at http://www.os2VOICE.org/VNL/past_issues/VNL0706H/feature_1.html



The eComStation Demo CD

The eComStation Demo CD is a way to demonstrate the look and feel of the eComStation desktop. It will boot directly from CD and cannot be installed onto harddrive, it runs entirely in system memory.

Another popular name for this approach is "Live CD" (like Knoppix for example).

The advantage is that your current system will remain untouched, the disadvantage is that the memory requirements are quite steep (at least 160 MB of system memory). The normal version of eComStation can be installed on computers with at least 64 MB of memory.



The intention of the Demo CD is not to allow installation on your computer. If you are a corporate user and are seriously interested in evaluating eComStation, you can contact sales at <http://www.ecomstation.com/contact/> and request an evaluation copy of eComStation.

Where to get it?

You can download the Demo CD from <http://www.ecomstation.com/democd/>. The download size of the CD is around 70 MB, and contains an ISO file that you need to burn onto CD-Rom. If you prefer to purchase the CD instead of downloading it, you can do so from the Mensys Online Shop (<http://www.mensys.net/>).

Can I hand the Demo CD out to friends or colleagues ?

Yes, you are allowed to copy and distribute this Demo CD as long as you do not charge money for it, other than a compensation for the cost of duplication.

Will you release a version that can be installed on harddrive ?

No, the intention of the Demo CD is not to allow installation on your computer. If you are a corporate user and are seriously interested in evaluating eComStation, you can contact sales and request an evaluation copy of eComStation.

Your demo CD has a limited set of applications on it, why is that ?

We have been getting many questions from people that wanted to test eComStation on their computer, and this CD offers that possibility. It is not intended to be a fullblown Operating System on CD.

The networkcard support in the demo CD seems to be good. But where is the support for wireless network cards ?

A wireless driver that will support most the wireless chipsets that are on the market will be released soon.

I tried to start eComStation in a Virtual Machine like Qemu or VMware but it does not work ?

The only virtual machine in which eComStation works is Serenity Virtual Station or Microsoft Virtual PC.

Will eComStation run on an AMD Athlon 64 ?

Yes it will! Although it will not utilize the 64 bit extensions, the highly optimized kernel of eComStation makes it run fast!

eComStation Demo CD testimonials

"I am impressed. The demo fired right up and worked beautifully. It gives me hope that there is still an alternative to the dark empire." - *Chuck Meins*

"I have always been a big fan of the OS/2 operating system. To know it lives on the eComStation is really good. I hope it lives forever. Keep it up!" - *Octavio Lima*

"This demo CD is superb! Booted without a glitch - GREAT!" - *Norman Halland*

eComStation is the operating system of today!

eComStation is a highly efficient operating system that truly flies on today's powerful computers, and works great on legacy hardware. The minimal resource requirements extend the life of your IT environment, offering a greater return on your investment in computer hardware.

eComStation interoperates with Windows, Linux and NetWare. It also offers excellent compatibility with DOS, Java and OS/2 applications. You can safely share your ADSL, cable or ISDN Internet connection with up to 253 PCs by using the built-in firewall. And, all of this comes packaged with an easy to use GUI.

eComStation installs directly from CD on modern hardware like AMD Athlon64 based computers, large IDE and

SATA harddrives and supports a host of network-, sound- and videocards out of the box.

eComStation is fully OS/2 compatible and will run your existing OS/2 applications!

Although the current eComStation 1.2R is a very solid product, a new version is about to be released: eComStation 2.0

eComStation 2.0 will include the following core features:

Support for ACPI: the ability to support ACPI is becoming more and more important in order to take advantage of new power management capabilities, or even to support the operating system on newer hardware. Therefore, support for this technology will be an important feature in the new version of eComStation will be important to many users.

This is such a big project and moving target, that installation will be optional and not fully functional on all hardware.

Improved harddisk management: eComStation 2.0 incorporates features to resize existing hard-disk volumes to create room for the installation of eComStation alongside other installed operating systems. This will be available during the installation process, as well as afterwards. This is especially interesting for users that want to keep using their preloaded operating system, but like to have the ability to run eComStation alongside.

Besides resizing, eComStation 2.0 will check your harddrive prior to install and will be able to (automatically) fix common found problems with your harddrive volumes.

Support for Bootable JFS: JFS offers advantages in system performance as well as recovery times and stability. The new eComStation will offer the option to boot from such volumes, enabling all data and programs to benefit from this modern file system. (See article on Bootable JFS on page 10)

Support for Samba: built-in for accessing Samba network resources on either Windows or Linux file servers, further improves the integration of eComStation in existing networks, including NAS devices.

GenMAC: This driver offers support for the most common modern network cards, with a strong accent on gigabit and on-board (wireless) network cards.

Firewall configuration: a new configuration utility for the eComStation firewall will be provided. The built-in firewall is very efficient and its power will be unleashed by a simple to use yet powerful configuration tool.

eComStation 2.0 is expected to be available by the end of the year 2006.

Proposed components of eComStation 2.1 and beyond:

ACPI updates: the ACPI project will be enhanced and an updated release will be included in a newer release of eComStation.

CUPS: provides a portable printing layer for UNIX-based operating systems. It is developed and maintained by Easy Software Products to promote a standard printing solution and is the standard printing system in MacOS X and most Linux distributions. It supports hundreds of modern printers.

Samba Server support: enables the utilization of your eComStation machine as a (cost-efficient) file-server for your SOHO network.

OpenLDAP: OpenLDAP enables you to authenticate your eComStation workstation against a Windows 2003 Active Directory server, as well as Novell or Linux networks. It is an open source suite of LDAP (Lightweight Directory Access Protocol) applications and development tools. The eComStation implementation will feature a convenient WPS configuration frontend.

More information:

<http://www.ecomstation.com/products/>

"Very smooth install, I love it! I will be making copies and handing them out!" - *Craig Miller*

"My first impressions of the demo cd are good. I had no problem with it booting up on my pc. Great job guys." - *Adam Ritchie*

"This project is absolutely fantastic and gives users a realistic alternate choice to what we are currently limited to." - *Amit Roy*

eComStation

eComStation is a highly efficient operating system that truly flies on today's powerful computers, and works great on legacy hardware. The minimal resource requirements extend the life of your IT environment, offering a greater return on your investment in computer hardware. eComStation interoperates with Windows, Linux and NetWare. It also offers excellent compatibility with DOS, Java and OS/2 applications. You can safely share your ADSL, cable or ISDN Internet connection with up to 253 PCs by using the built-in firewall. And, all of this comes packaged with an easy to use and unique GUI. Apart from the language versions listed here, Italian, Dutch and Russian versions are available. Please check your local reseller or www.mensys.net for a full overview.

eComStation 1.2R

506702 English (CD1, CD2)	209.31
670286 English - Upgrade from OS/2 Warp 3 (CD1, CD2)	€ 176.98
506648 English - Upgrade from OS/2 Warp 4 (CD1, CD2)	€ 128.49
506664 English - Upgrade from eComStation 1.0 (CD1, CD2)	€ 104.25
506672 English - Upgrade from eComStation 1.1 (CD1, CD2)	€ 55.76
506745 German (CD1, CD2)	€ 209.31
670294 German - Upgrade from OS/2 Warp 3 (CD1, CD2)	€ 176.98
506737 German - Upgrade from OS/2 Warp 4 (CD1, CD2)	€ 128.49
506729 German - Upgrade from eComStation 1.0 (CD1, CD2)	€ 104.25
506710 German - Upgrade from eComStation 1.1 (CD1, CD2)	€ 55.76

eComStation 1.2R Academic

508381 English (CD1, CD2)	€ 152.74
670359 English - Upgrade from OS/2 Warp 3 (CD1, CD2)	€ 136.58
508357 English - Upgrade from OS/2 Warp 4 (CD1, CD2)	€ 63.84
508403 German (CD1, CD2)	€ 152.74
670367 German - Upgrade from OS/2 Warp 3 (CD1, CD2)	€ 136.58
508365 German - Upgrade from OS/2 Warp 4 (CD1, CD2)	€ 63.84

Software Subscription Services

508438 for eComStation 1.2 (valid for 12 months)	€ 71.92
680222 for eComStation 1.2 renewal (valid for 12 months)	€ 55.76
738271 for eComStation 1.2 (valid for 12 months) (purchase combined with eCS 1.2)	€ 55.76

Software Subscription Services Academic

535591 for eComStation 1.2 (valid for 12 months)	€ 55.76
686115 for eComStation 1.2 (valid for 12 months) renewal	€ 39.60

NETWORKUTILITIES

Netdrive for OS/2

NetDrive for OS/2 is a virtual file system which allows seamless access to various resources. It let the user to create a virtual drive letter and to mount resources to the drive. The current version of NetDrive for OS/2 supports local, network and FTP sources and can use external plugins for different types of resources.

NetDrive for eComStation & OS/2

305316 version 3.x (digital delivery)	€ 24.25
581771 version 3.x upgrade from previous versions (digital delivery)	€ 6.52

NetDrive for OS/2 Plugins

308277 NFS V2 plugin (digital delivery)	€ 12.54
308285 VFAT plugin (digital delivery)	€ 8.36
312037 Cipher Plugin (digital delivery)	€ 16.72

PMDownloader

PM Downloader is interactive multithreaded network retriever for eComStation and OS/2 which supports HTTP and FTP protocols for downloading files.	
328391 PM Downloader for OS/2 and eComStation	€ 12.25

NetOp Remote Control

NetOp Remote Control contains a sweeping range of remote management tools, all available on one easy-to-use console. Designed to fit into all environments, NetOp Remote Control lets you access users running virtually any operating system, including Windows, Linux, Mac OS X and Solaris. The NetOp Remote Control software

offers unrivalled connectivity, supporting all standard communication protocols.

NetOp Remote Control 9.0

752622 1 guest, 1 host (Multiplatform, except Mac, DOS and OS/2 Guest)	€ 199.00
752649 1 guest (Multiplatform, except Mac, DOS and OS/2 Guest)	€ 135.00
752681 1 host (Multiplatform)	€ 135.00

SYSTEMUTILITIES

JRescue

If you are having trouble getting to your data on your JFS partition you can try and recover/undelete your data with JRescuer. If you encounter the rare problem that during a CHKDSK your machine keeps hanging there you can "unlock" the JFS partition with JRescuer. In case of an emergency you can also recover data from a JFS volume even if you don't have JFS.IFS loaded (the file system driver). JRescuer includes:

- JRescuer (TM) -- recover utility (VIO)
- JUne (TM) -- undelete utility (PM)
- ISJ -- shows info about SuperBlock and allows change chkdsk state (VIO)

365947 JRescuer - tool to retrieve files from a damaged JFS volume (digital delivery) € 23.66

DFsee

DFsee is the SWISS-ARMY-KNIFE for disk and filesystem problems. It has FDISK-like displays, cloning, imaging, analysis and recovery tools with powerfull FIX commands and UNDELETE for HPFS and NTFS. As a partition-table management tool, like FDISK, LVM etc, it works fine any filesystem type and operating system. Very useful in a multi-boot environment! The filesystem specific functions like resizing and filerecovery are limited to FAT(32), NTFS, HPFS and JFS filesystems at the moment.

DFsee V8.xx Standard

724335 Single user (digital delivery)	€ 49.00
724343 Upgrade from version 7.xx (digital delivery)	€ 25.00
724351 Upgrade from version 4, 5, or 6.xx (digital delivery)	€ 39.00
724432 Bootable CDROM, including license	€ 55.00
724440 Bootable CDROM for registered 8.xx users	€ 10.00

DFsee V8.xx Professional

724459 Single user (digital delivery)	€ 199.00
724467 Upgrade from any professional to V8.xx (digital delivery)	€ 99.00
724475 Cross upgrade from any standard to professional (digital delivery)	€ 159.00

OFFICE APPLICATIONS

OpenOffice.org 2.0

OpenOffice.org gives you everything you would expect in office software. You can create dynamic documents, analyse data, design eye-catching presentations, produce dramatic illustrations, and open up your databases. You can publish your work in Portable Document Format (.pdf), and release your graphics in Flash (.swf) format - without needing any additional software. You can of course continue to use your old Microsoft Office files without any problems - and if you need to exchange files with people still using Microsoft Office, that's no problem either. The Support Agreement will enable you to run OpenOffice 2.0 under eComStation, in a natively compiled version, with WPS specific enhancements.

OpenOffice.org 2.0 Support Agreement for eComStation and OS/2

670707 (12 months) includes 1.1.5 (digital delivery)	€ 39.98
735973 (12 months) + CD with 1.1.5 in English, German, Dutch	€ 46.51
670715 (12 months) upgrade for existing OOo users (digital delivery)	€ 23.66
735965 (12 months) upgrade for existing OOo users + CD with 1.1.5	€ 30.19

All prices in Euro, excluding 19% VAT. Prices subject to change

Mesa 2 Spreadsheet

Mesa 2 provides context-sensitive on-line help and pop-up menus as well as interoperability with other OS/2 and eComStation applications. It complies with OS/2 user-interface conventions, making it easy to learn and use. For example, you can use familiar drag-and-drop techniques to move and copy ranges of data, change colors and fonts, and more. You can use drag-and-drop to print your work as well. Mesa 2 loads, saves and recalculates faster than comparable spreadsheets. You can store and analyze data in billions of cells - more than any other spreadsheet. Include your favorite REXX programs as Mesa scripts. Real-time feed capability lets you dynamically use data from outside sources in your formulas, functions, and graphs. And, a wide array of 2- and 3-D graphs are easily customized to look the way you want them to.

327735 Mesa/2 v2.3 € 105.26
327727 Mesa/2 v2.3 upgrade (without manual) € 48.14

DBExpert

Users and developers can use DBExpert to quickly create tables, forms, reports, or complete applications. DBExpert enables users to save time and eliminate paperwork with an automated table function, use drag-and-drop database queries, and share data with multiple users. The product works with most popular database formats including DB2/2, dBASE, and Oracle.

DRS26 DBExpert V2.0.9 € 97.10
DRS27 DBExpert runtime license € 23.66

GRAPHIC UTILITIES

Impos/2

Use this powerful, award-winning tool to create and process images of most popular formats. Import images via scanner, video camera or Kodak Photo CD. Powerful tools include magic wand, circular and freehand selections (can be edited as masks), new filters include sponge, waves, whirlpool, oil-paint, gradients. automated batch programming, multi-page images, REXX interface and more. Supports over 25 scanners.

541362 ImpOS/2 V2.1 (English + German) (digital delivery) € 25.00
541354 ImpOS/2 V2.1 (English + German CD) CD - only € 30.00
541346 ImpOS/2 V2.1 (English + German CD) incl Manual € 99.00

MAUL

Maul Publisher is an industrial strength desktop publisher capable of creating virtually all of the printing seen on everyday household items. You can use it to easily lay out newspapers, cards, books, labels, stamps, posters, charts, forms and even designs like building plans or furniture arrangements. Maul contains a huge number of sophisticated features specifically for publishing. These include booklet printing and collation, precision bitmap scaling, prepress reports, color management, layout guides, style sheets, and much more.

Maul Publisher 3.0

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VOICE is the Virtual OS/2 International Consumer Education. The internet based OS/2 User group. VOICE produces a monthly newsletter, schedules interesting speakups with OS/2 celebrities on IRC and hosts WarpDoctor, the successor to the famous WarpPharmacy. VOICE members receive several benefits. These benefits include the ability to win door prizes at meetings, voting privileges on VOICE decisions, a subscription to the VOICE newsletter, and access to special deals VOICE will have with vendors.

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os2ports

OS/2 Ports by Paul Smedley.

Support continued ports of open-source applications to eComStation and OS/2. Examples of ported software include Apache 2, PHP5, MySQL 5, Squid, OpenLDAP, DVD Author, Sane + Tame, games like ScummVM, Battle for Wesnoth and OpenTTD.

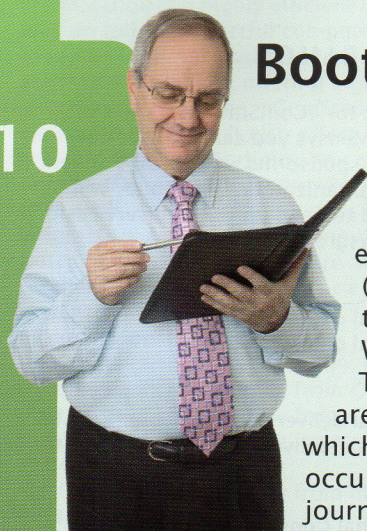
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Bootable JFS file system for eComStation

Every modern operating system has its own file system, eComStation is no exception. JFS (Journaling File System) is a native file system for eComstation. What does "Journaling" mean?

This file system uses a special area on the disk (named "journal") which is used to write changes which occur during operation. Usage of the journal allows a significant decrease in time of data update and increases filesystem reliability.

Modern versions of the JFS filesystem were developed by IBM corporation for OS/2 Warp Server for e-Business. Later it was ported to IBM AIX and Linux. The goal of the developers was to provide high performance, reliability, and scalability on SMP machines. eComStation developers aspire to follow the goals defined by IBM corporation and have continued the development of the JFS filesystem since 2001. For this reason, the Bootable JFS has been developed. It features the following innovations:

- speed-up of the entire eComStation operating system installed on volume with JFS filesystem (disk operations may achieve up to 100% increase in speed)
- increased filesystem reliability (fixes in UJFS.DLL)
- implementation of recovery tools for JFS volumes
- support for flash-disks with JFS filesystem

Installation of eComStation 2.0 on a JFS volume

You can install eComStation 2.0 on a bootable JFS volume using the regular OS installer. eComStation may be installed on any DOS-compatible volume. The installation procedure does not differ from installation to a HPFS partition.

Looking at diagram 1, you can see the speed of the operating system boot to graphic and text modes, the speed of loading some popular applications. It is clear that installation of eComStation on a JFS volume gives gains of up to 100% in comparison with the HPFS filesystem.

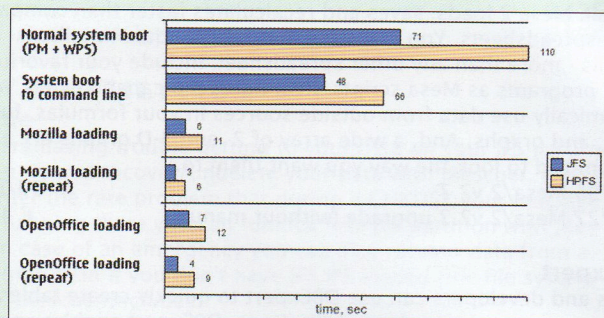
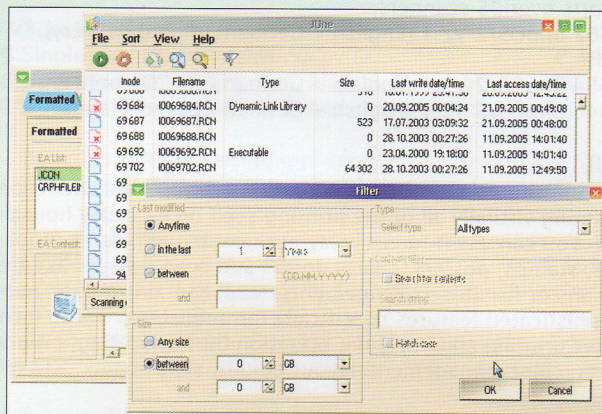


Diagram 1

tem.

Why does launching of applications and operating speed increase? This is because JFS features a much larger cache than HPFS. Thanks to the fact that system INI and DLL files are placed on a JFS volume, JFS.IFS driver caches them much more efficiently than the HPFS filesystem does. All calls from applications to system libraries require less time because the libraries reside in cache (memory).



JFS service utilities

Another important goal in addition to performance is reliability. Certainly, an absolutely reliable filesystem does not exist. Filesystem reliability is a combination of stability to failures and the availability of recovery tools. It is possible to discuss how great the probability to loose data on JFS is. If viewed from this point, JFS is very reliable.

There are few failures that can be attributed to JFS, but in case it is required, data recovery tools for JFS exist.

The unique utilities JRescuer and June allow restoration of data from a damaged JFS volume and can restore deleted files also. These

utilities will work without the JFS.IFS driver loaded, i.e. explore the volume and search user data without the need to be booted with a loaded JFS driver.

It is worth mentioning one detail, that JFS does not keep data about deleted directories and names of deleted files. This complicates the search for the deleted file. Using JUNE it is possible to search for needed or deleted files using a filter, by date, or by extended attributes (EA). Besides that, we recommend you to start a special REXX script regularly, which copies filenames into extended attributes. JUNE will show this information during its file search process. This way, most files will get a name and you can find the necessary file more easily and faster.

Flash drives with JFS filesystem

Flash drive formatting is similar to formatting an ordinary disk. The flash drive must be partitioned, i.e. it is necessary to create a LVM volume first, then format it with JFS. If a drive letter was assigned, then on another computer with JFS support it will keep this same letter assigned.

Does JFS have any limitations?

The JFS filesystem was designed in response to modern requirements. It has a sufficient margin of safety to work without serious problems for some time.

Maximum volume size:

2 terabytes

Maximum file size:

2 terabytes

Maximum files quantity:

4 billions

Maximum filename size:

256 symbols

JFS for eComStation is ready for usage on SMP machines.

Today's processor manufacturers have finished the megahertz race and are concentrating on SMP and multi-core systems development.

Future plans for Bootable JFS

It is planned to implement dynamic cache in JFS. Unlike the static cache (used in the current version), when the size of memory region assigned for caching stays static during all operating time, dynamic cache allows the capture of additional memory if needed and to release it if not needed. This will allow for more efficient use of main system memory.

Memory regions not occupied by the cache will be placed at the disposal of applications running at that moment.

It is planned to further improve the service and recovery utilities to increase overall filesystem reliability and develop additional utilities like defrag.

Voyager

Looking beyond: Voyager (a Netlabs project)

Voyager is the codename for the idea of having a replacement OS/2 on top of modern technology. This idea is the result of around 1.5 years of thinking a lot about what we can do in the future as current OS/2 and eComStation users.

How is this related to OS/2 and eCS?

A lot and not much ;) Voyager is basically a re-implementation of a lot of ideas already implemented in the WPS, the Workplace Shell of OS/2, the multimedia subsystem (like IO procedures) and other areas which make OS/2 unique. The WPS has still unique concepts that are not implemented in any of the free and well-known desktops like Gnome or KDE. Our goal is to get the "WPS and OS/2 feeling" on top of new, (and existing), open source technologies, in a way that's more or less independent of the kernel used.

Is Voyager yet another Linux distribution?

No, since Voyager is more than just repackaged linux stuff with a pretty desktop. We will kill some sacred cows of the linux camp like X as the graphics foundation or so called choice. You won't have ten editors for your config files, you won't have several window managers but one, you won't have a dozen file systems to choose from but only one or two. You get the picture... Since there's no decision for the kernel yet the rumours Voyager would use the linux kernel are just - rumours. Voyager won't require you to recompile your kernel every few weeks or hunt down package dependency when installing new apps by providing a standard set of base libs.

Will Netlabs stop providing software for OS/2 and eCS now?

Definitely not! We will continue to provide essential software for OS/2 the next years. Voyager is in our opinion a great option for the future but we know very well that it will take some time until you can use that as full replacement for what you use now.

The best choice you can do at the moment is to work with eComStation, version 2 of eCS will provide some essential enhancements, many of the ideas are planned for Voyager as well. So one could say that Voyager could become something like eComStation 3.0 once.

More information as well as the book 'The Design of Voyager - A Desktop for the 21st Century' can be found at: <http://voyager.netlabs.org/>

On Netlabs:

netlabs.org was founded in 1997 with the goal of creating a center for free Open Source Software for OS/2 and also eComStation (eCS). Today, netlabs.org is one of the largest developers of OS/2 software. More info can be found at: <http://www.netlabs.org/>

Call to Action: Open Source OS/2 Abandonware

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OS/2 has many applications that had been created by companies, individual developers and hobbyists. Many of these applications still work under the newest version of eComStation and have demonstrated a good quality. The only problem is that they are turning into "abandonware" since the developers have switched to other platforms, for example. But there is a chance to extend their life with the "Open Source Long Live Elixir".

Here at OS2World.com we would like to make a call to OS/2-eCS developers and ex-developers to open source their creations. We believe that the software can be expanded for the benefit of the community and allowing a learning experience from the code of these applications. Personally I believe that the efforts of the developer or developers involved in creating this software would be wasted when the software was to become abandonware, while their life can be extended by sharing the source code with a community.

A Quick Intro

Well, we all have heard about Open Source software these days. For the ones that don't know what it means, it is mostly about giving away the recipe (the source code) of a program, so others can build it on by themselves and distribute it too.

Of course for Open Source software there are also legal licenses to follow. These licenses can be found at <http://www.opensource.org>. The most preferred license for open source artists/developers is the "GNU General Public License" (GPL). There are also other open source licenses modified by companies to have more commercial options over of the code like the "Mozilla License" and the "Common Public License" (CPL) but with common qualities that keep them OSI approved.

Open Source and OS/2

Open Source software is expanding at a good speed under OS/2 and eComStation and we have seen a lot of examples of good open source software. OS/2-eCS developers are join-

ing forces and making better software while they share the code and gain knowledge and enhance their programming skills.

The OS/2-eCS community has ported several Open Source projects. Between the most common projects we have available for OS/2 and eComStation are versions of Firefox, Thunderbird, OpenOffice.org, PSI instant messaging client, MySQL, Apache, Libc libraries, SDL libraries between others.

And there are also another OS/2 and eComStation exclusive projects like the OS/2 WPS enhancer know as Xworkplace, that has included other Open Source software on it like PageMage and several Xcenter widgets. Also there is what we know as the OS/2 default software installer called iWarpIn. And I should not forget to mention ODIN that has succeeded running several Win32 applications under OS/2 and the list keeps going... Warpvision, Doodle ScreenSaver, audio CODECs, etc.

And also there are groups and individuals that keep developing and maintaining OS/2 software. Some links to the groups are available [[at the end of this article]]. There is also Serenity Systems International, that commercializes the new OEM version of OS/2 called eComStation, that is also including and supporting open source software.

Developers: What to do with your OS/2 application?

If you have developed an OS/2 application and you haven't updated it in a long while, or you just don't have the time anymore to improve this development, this is a good time about thinking to open source it. If you want to open source your software, the steps to follow are easy:

- 1 **Select an OSI Approved Open Source License:** Check the OSI web site and find the open source license that you will like for your project. (<http://www.opensource.org/licenses/>).

Web Site Links

Netlabs.org for OS/2-eCS Open Source Projects
<http://www.netlabs.org/>

ecomstation.ru (Open and Close source projects)
<http://en.ecomstation.ru/projects/>

Open Source Licenses
<http://www.opensource.org/>

Hobbes OS/2 files repository
<http://hobbes.nmsu.edu/>

2

Pack the Source Code: Make a zip file with the source code of your application, include a txt file of the open source license you choose for it. You can also include the source code zip file inside another zip file that contains the Binaries. With that you have a single zip file with the binaries and source code.

3

Upload the File: Upload your file in the file sharing web site for OS/2 and eComStation users. This site is Hobbes. <http://hobbes.nmsu.edu/>. Read the upload policy (<http://hobbes.nmsu.edu/uploadpolicy.html>), you are required to make a little text file to identify the file you are uploading there.

4

Promote it: You need to announce the OS/2-eCS community that your program is now open source, and that the source is available for download. The easiest way to is to send a news to several sites using the "Os2World.com News Submission page"

In conclusion

There is still a chance for the OS/2 abandonware to keep being useful for the community, there is now an alternative to letting the software die in a drawer. Developers that do not code anymore under OS/2 can open source their creations to allow them grow in the hands of an open community.

If you need any kind of help on how to open source your OS/2 software, don't hesitate to contact me.



Martín Iturbide

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Tips 'n Tricks

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Beginnertips

Where can I find a list of commands to use on a command prompt window? With notes?

We can all use reminders of how to do some of the simpler things we learned when we first started using OS/2, but since may have forgotten:

Enter the command HELP at a command prompt. This will show some basic keystrokes and commands to know when in a command prompt window. Note that in that list is included the command HELP [BOOK] SUBJECT. Use that. For instance, if you type:

```
HELP COMMANDS,
HELP COMMAND, or
HELP CMD,
```

you will get into the Command Reference book (the default book if one is not specified) opened to a subject whose title starts with the operand you've specified. Then, just click on the Contents button and take a look at Part 1.

Turning off "Clippie" in OpenOffice Writer (Any version)

OO's version of Clippie is even more intrusive than the Windows one. Every time I type quote marks, it pops up to tell me it has changed them to the printable version. At least Clippie stays in the menu bar, with just a little light bulb. To turn off this behaviour, while still letting it make the changes:

Clippie the bar steward is called the Help Agent bar steward in OO.

To turn it off follow these menu options:

Tools -> Options -> OpenOffice -> General -> (Help Agent/Activate)

Converting *.BMP to Windows' Bitmap Images

For anyone who doesn't have PMView/PMJPEG etc., as long as they have MMOS2 installed [and can open the particular graphic by double-clicking it], just RMB on the graphic and select "Convert to" --> BMP (OS/2 bitmap) --> MS Windows DIB bitmap [bottom option]!

Browsertips

Tips For Mozilla-Warpzilla: A Website.

Tips for Warpzilla - Mozilla for OS/2 and eComStation (<http://www.os2bbs.com/os2news/Warpzilla.html>)

A superior site, it's updated frequently and describes which plugins work, where to get them, Prefs.js additions/modifications you may want to make, etc. etc. Since IBM's Web Browser (shipped with older versions eComStation) is Mozilla-based, many but not all, the material should apply to the eComStation browser as well.

Firefox: Quick way to open tabs

Tabbed browsing under Firefox is very convenient. The usual method of opening a tab was to RMB click and then click on Open the link in new tab.

A quicker way of doing this is to hold the [Ctrl] key and click the LMB on the link and the link will open in a new tab. (You can change those settings in Firefox/Mozilla under "Tools -> Options -> Tabs" and even set it to open *every* link in a new tab)

Plugins For Firefox

This is Firefox, not Mozilla. There is no about:plugins on the Help menu item anymore. It seems that some of the UI has taken a step backwards with Firefox.

To view the installed plugins, just type about:plugins into Firefox's location bar.

Put the line

```
user_pref("plugin.expose_full_path", true);
```

into prefs.js and you see full paths.

For example, G:\MOZPROFILES\Mozilla\plugins\npswf2.dll. And in this case, Mozilla and Firefox use the same plugins.

Powertips

Running checkdisk on a mounted JFS volume

It is possible to repair a JFS partition online (while the system is running), even if wasn't recognized by LVM during boot due to some defect.

There is a badly or not at all documented tool called JFSCHK32.EXE in the \OS2 directory, which works similar to CHKDSK for HPFS partitions.

Example: Partition E is not visible or labeled it as not formatted and dismounted by LVM.

Now in an OS/2 window you run:
JFSCHK32 /F E:

Note that in contrary to CHKDSK, the options come before the drive letter.

After a short while, the tool should have restored the JFS partition hopefully. You should check everything again without the /F option.

Now the partition should be visible again, without the need to reboot.

Two other interesting (and undocumented) commands are:

CACHEJFS

This utility queries the settings of the cache, and can be used to set its lazy write parameters.

CHKLGFJS

Diagnostic tool that shows a formatted log of the last CHKDSK process.

Peer Network Printing - how to use spaces in "Net Use" commands

When one uses the command line to make connections on a peer network, one must use [double] quotes around the name of a resource if the name on the network has a space. For example, the command

```
net use LPT2 \\Server\Jim
```

Printer

must be enclosed in quotes, as
net use LPT2 "\\Server\"Jim
Printer"

to work. Otherwise the printer resource will not be recognized.

e2Experts

Expert eComstation and OS/2 services

The **e2Experts** consultancy group is a worldwide operating group of consultants and companies, that have an in depth knowledge of IBM OS/2, eComStation and information technology.

e2Experts partners have more than 15 years of experience in OS/2 and have worked with large corporate customers. As IBM Business partners they have helped to deploy and maintain solutions for an ever changing world.

For example, eComStation is an IBM endorsed product that is continuously being enhanced and updated by the **e2Experts** partner Serenity Systems International. It helps customers to easily upgrade their current OS/2 installations and protect their mission critical environment.



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Further examples of what **e2Experts** partners can offer:

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For any further questions please do not hesitate to contact us in one of the following ways:

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